PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PCT05-009		see Form PCT/ISA/220, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/KR2005/000266	28 JANUARY 2005 (28.01.2005)	·
Applicant KWON, Hyung-Joo et al		101718 7920 2007 2007 2007 2007 2007 2007 2007 20
This International search report has been prep to Article 18. A copy is being transmitted to the This international search report consists of a		and is transmitted to the spen care (Altrophing
· — '	by of each prior art document cited in this report	, 8/2/9/5
language in which it was filed, unle	ernational search was carried out on the basis of some state of the carried out on the basis of the carried out on the carried out on the carried out of	
The international search this Authority (Rule 23.	was carried out on the basis of a translation of t 1(b)).	he international application furnished to
b. With regard to any nucleotide	and/or amino acid sequence disclosed in the in	nternational application, see Box No. I.
2. Certain claims were found un	asearchable (See Box No. II)	
3. Unity of invention is lacking ((See Box No. III)	
4. With regard to the title,		
the text is approved as submitte	d by the applicant.	
the text has been established by	this Authority to read as follows:	·
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. *		
·	•	
		•
5. With regard to the abstract,		
the text is approved as submitte	d by the applicant.	
the text has been established, ac	ecording to Rule 38.2(b), by this Authority as it	appears in Box No. IV. The applicant
may, within one month from the	e date of mailing of this international search rep	ort, submit comments to this Authority.
6. With regard to the drawings,		
a. the figure of the drawings to be pub	lished with the abstract is Figure No. 6	<u> </u>
as suggested by the applic		
because the applicant faile	d to suggest a figure.	
because this figure better of	haracterizes the invention.	
b. none of the figure is to be publi	shed with the abstract.	
	,	

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2005/000266

Box No. I Nuc	eleotide and/or amino acid sequence(s) (Continuation of item1.b of the first sheet)
1. With regard invention, the	to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed e international search was carried out on the basis of:
a. type of n	naterial
	equence listing
inab	sle(s) related to the sequence listing
b. format of	f material
in in	written format
🔯 in	computer readable form
c. time of fi	iling/furnishing
	ntained in the international application as filed
	ed together with the international application in computer readable form
	mished subsequently to this Authority for the purposes of search
س بــ	miner agonedicared as are seemend and text.
or fur	ition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed hished, the required statements that the information in the subsequent or additional copies is identical to that in the ation as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional	comments:
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iternational application No.
PCT/KR2005/000266

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 C07H 21/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC7 C07H 21/00, A61K 39/39, A61K 31/70, C12N 15/11

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean patents and applications for inventions since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used)

eKIPASS, Delphion, PubMed database

C. DOCUMENTS CONSIDERED TO BE RELEVANT

.Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
Y	Krieg A M: "CpG motifs in bacterial DNA and their immune effects" Annu. Rev. Immunol., vol. 20, (2002), page 709 - 760. See the whole document	1 - 7	
Y	Krieg A M et al: "CpG motifs in bacterial DNA trigger direct B-cell activation" Nature, vol. 374, 6 April 1995, page 546 - 549 See the whole document	1 - 7	
Y	Ballas, Z. et al.: "Inductin of NK activity in murine and human cells by CPG motifs in oligodeoxynucleotides and bacterial DNA" Journal of immunology, vol. 157, no. 5, September 1996 (1996-09), page 1840-1845 See the whole document	1-7	
Y	Klinman DM et al.: "CpG motifs present in bacteria DNA rapidly induce lymphocytes to secrete interleukin 6, interleukin 12, and interferon gamma." Proc. Natl. Acad. Sci. USA, vol.93, no. 7, Apr 1996, page 2879-83 See the whole document	1-7	
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ı	- (Further	documents	are	listed	in	the	continuation	of B	ox	C.
l	ı	Further	documents	are	listed	in	the	continuation		of B	of Box

See patent family annex.

- Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- 'E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

17 JUNE 2005 (17.06.2005)

Date of mailing of the international search report

20 JUNE 2005 (20.06.2005)

Name and mailing address of the ISA/KR



Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

JEONG Eui Jun

Telephone No.

Authorized officer



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2005/000266

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	• .	JP2002511841T2	16. 04. 2002
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